

# COPY

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001786

### A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: C12P 7/06, C12N 1/14**

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: C12P, C12N**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA, PAJ, MEDLINE, BIOSIS, EMBASE, CHEM.ABS.DATA**

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4840903 A (JUNG FU WU), 20 June 1989 (20.06.1989), column 2, line 58 - line 63, abstract --	1-33
Y	STN International, File CAPLUS, CAPLUS accession no.1953:73325, document no. 47:73325, Beckman, C.H. et al: "The growth of oak wilt fungus with various vitamins and carbon and nitrogen sources"; & Phytopathology (1953), 43, 441-7 --	1-33
A	US 5372939 A (STANLEY M. LASTICK ET AL), 13 December 1994 (13.12.1994) --	1-33

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
**21 March 2005**

Date of mailing of the international search report  
**30-03-2005**

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4591560 A (KEIJI KAINUMA ET AL), 27 May 1986 (27.05.1986), column 4, line 38 - line 50  --	1-33
A	M. GALBE et al, "A review of the production of ethanol from softwood" Appl. Microbiol Biotechnol 2002, Vol. 59, p. 618-628, see page 622 "Enzymatic hydrolysis and fermentation"- page 624  --	1-33
A	YE SUN et al, "Hydrolysis of lignocellulosic materials for ethanol production: a review" Bioresource Technology 2002, Vol. 83, p. 1-11, see page 5, right column, last paragraph; page 8 right column, last paragraph  --	1-33
A	T.R. NAG RAJ, "New Zealand Fungi 21. Chalara (Corda) Rabenhorst", New Zealand Journal of Botany 1974, Vol. 12, p. 115-129, see page 117, right column  --	1-33
A	DATABAS WPI Week 198116 Derwent Publications Ltd., London, GB; Class D16, AN 1981-29047D & WO 8100857 A (BIOTECH RES INST et al), 2 April 1981 (1981-04-02) abstract  -----	1-33

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

01/03/2005

International application No.

PCT/SE 2004/001786

US	4840903	A	20/06/1989	NONE		
US	5372939	A	13/12/1994	NONE		
US	4591560	A	27/05/1986	DK	17884 A	18/07/1984
				JP	1476618 C	27/01/1989
				JP	59113894 U	01/08/1984
				JP	59140896 A	13/08/1984
				JP	63026999 B	01/06/1988